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	APPLICATION NO.	FILIN	G DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/786,341		02/25/2004		Pin-Chien Liao	10113821	3835		
	34283	7590	12/12/2006		EXAM	EXAMINER		
	•	D LAW OF		PATEL,	PATEL, NITIN			
	1617 BROADWAY, 3RD FLOOR SANTA MONICA, CA · 90404				ART UNIT	PAPER NUMBER		
		•	,		2629			
					DATE MAILED: 12/12/2000	5		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applicat	ion No.	Applicant(s)					
			41	LIAO ET AL.					
	Office Action Summary	Examine	r	Art Unit					
		Nitin Pate	el	2629					
Period fo	The MAILING DATE of this communication or Reply	n appears on th	e cover sheet with the c	orrespondence ad	ddress				
A SH WHIC - Exter after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR RICHEVER IS LONGER, FROM THE MAILIN nsions of time may be available under the provisions of 37 CF SIX (6) MONTHS from the mailing date of this communicatio period for reply is specified above, the maximum statutory per to reply within the set or extended period for reply will, by steply received by the Office later than three months after the reed patent term adjustment. See 37 CFR 1.704(b).	IG DATE OF T FR 1.136(a). In no evon. period will apply and v statute, cause the ap	HIS COMMUNICATION vent, however, may a reply be timused the control of the contro	N. nely filed the mailing date of this of D (35 U.S.C. § 133).					
Status									
1)⊠	Responsive to communication(s) filed on 2	25 February 20	004						
· · · · · · · · · · · · · · · · · · ·	- · · · · · · · · · · · · · · · · · · ·	This action is							
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	closed in accordance with the practice und	der <i>Ex parte</i> Q	uayle, 1935 C.D. 11, 45	53 O.G. 213.					
Dispositi	ion of Claims								
4)⊠	Claim(s) <u>1-17</u> is/are pending in the applica	ation							
	4a) Of the above claim(s) is/are withdrawn from consideration.								
	Claim(s) is/are allowed.								
	Claim(s) 1-17 is/are rejected.								
7)	Claim(s) is/are objected to.								
8)□	Claim(s) are subject to restriction a	ınd/or election ı	requirement.						
Applicati	on Papers								
9)□	The specification is objected to by the Exar	miner							
·	The drawing(s) filed on is/are: a)) objected to by the E	Examiner.					
,	Applicant may not request that any objection to	•	•						
	Replacement drawing sheet(s) including the co				FR 1.121(d).				
11)	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority ι	ınder 35 U.S.C. § 119								
12)🛛	Acknowledgment is made of a claim for for	reign priority un	nder 35 U.S.C. § 119(a)	-(d) or (f).					
_	☑ All b)☐ Some * c)☐ None of:		,	., .,					
	1. Certified copies of the priority docum	ments have bee	en received.						
	2. Certified copies of the priority documents have been received in Application No								
	3. Copies of the certified copies of the	priority docum	ents have been receive	ed in this National	Stage				
	application from the International Bu	•	• • • •						
* S	See the attached detailed Office action for a	a list of the cert	ified copies not receive	d.					
Attachmen	• •								
	e of References Cited (PTO-892)	•	4) Interview Summary						
	e of Draftsperson's Patent Drawing Review (PTO-948 nation Disclosure Statement(s) (PTO/SB/08)	ਲ)	Paper No(s)/Mail Da 5) Notice of Informal P						
	r No(s)/Mail Date		6) Other:	. •					

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1-17 are rejected under 35 U.S.C. 102(e) as being anticipated by Chiang et al., (US 20030103359).

As per claim 1, Chiang shows a keyboard structure (in fig.4a, 4b), comprising: a base plate (in section 0039); a light guide member (in section 0041) disposed on the base plate; a membrane circuit board (in section 0041) disposed on the light guide member; a key assembly disposed on the membrane circuit board, with a key cap and a resilient element between the key cap and the membrane circuit board; and a light-emitting element adjacent to the light guide member and disposed under the membrane circuit board, whereby light from the light-emitting element enters the resilient element and key cap via the light guide member(in section 0043-0046).

As per claims 2,3 Chiang shows the resilient element is transparent (in section 0041).

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As per claim 4, Chiang teaches membrane circuit board further comprises at least one through hole corresponding to the key cap, the light in the light guide member enters the key cap via the through hole (in fig.4, a, b).

As per claims 5-8, Chiang also teaches the light guide member further comprises at least one reflective layer formed on the surface thereof to reflect the light therein (in section 0045,0046).

As per claim 9, chiang shows the key assembly further comprises a scissors connection mechanism disposed between the key cap and the membrane circuit board (in fig.4a and 4b).

As per claims 10,11,12,13,14 Chiang shows wherein the light-emitting element is a light-emitting diode (LED)(in fig.3, 4 element 233 and section 0048).

The keyboard structure as claimed in claim 13, wherein the light-emitting element is attached to the circuit board to acquire power.

As per claims 15-17, examiners is taking official noticed that since the prior art teaches an illuminated keyboard in a device that could have also used in portable device and in regular computer also.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nitin Patel whose telephone number is 571-272-7677. The examiner can normally be reached on 8:00-5:00.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin H. Shalwala can be reached on 571-272-7681. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Nitin Patel Examiner Art Unit 2629